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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APR 22 2004

OFFICIAL

Applicants: Ye et al.

Serial No.: 10/014,744

Examiner: Ali, M.

Filing Date: October 26, 2001

Art Unit: 2177

For: METHOD FOR CLASSIFYING  
DATA USING CLUSTERING  
AND CLASSIFICATION  
ALGORITHM SUPERVISED

## RESPONSE UNDER 37 C.F.R. §1.111

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated February 9, 2004, Applicant(s) respectfully request the Examiner to reconsider and further examine the Application in view of the amendments and/or comments as set forth below.

Amendments to the Specification: begin on page 2.

Amendments to the Claims: begin on page 5.

Amendments to the Drawings: begin on page 15.

Remarks: begin on page 16.

*Quarles & Brady  
StreichLang LLP*

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Fax 602.229.5690  
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From:	Robert D. Atkins	602-229-5690	602-229-5311
Re:	<b>RESPONSE UNDER 37 C.F.R. SECTION 1.111</b> <b>USSN: 10/014,744</b> <b>Applicant: Ye et al.</b>		

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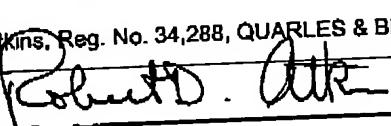
(to be used for all correspondence after initial filing)

		Application Number	10/014,744
		Filing Date	October 26, 2001
		First Named Inventor	Nong Ye
		Group Art Unit	2177
		Examiner Name	Ali, M.
Total Number of Pages in This Submission	23	Attorney Docket Number	112624.00070 (130588.91167)

**ENCLOSURES (check all that apply)**

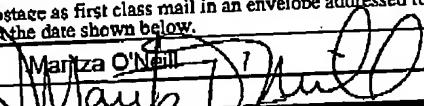
<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

**RESPONSE UNDER 37 C.F.R. SECTION 1.111****SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Robert D. Atkins, Reg. No. 34,288, QUARLES & BRADY STREICH LANG LLP	
Signature		
Date	April 22, 2004	

**CERTIFICATE OF TRANSMISSION/MAILING #72-9386**

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This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 140.00)

## Complete If Known

Application Number	10/014,744
Filing Date	October 26, 2001
First Named Inventor	Nong Ye
Examiner Name	Ali, M.
Art Unit	2177
Attorney Docket No.	112624.00070 (130588.91167)

## FEE CALCULATION (continued)

### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

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Quarles & Brady LLP

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Charge any additional fee(s) or any underpayment of fee(s)

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### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
<b>SUBTOTAL (1)</b>		(\$ 0.00)	

#### 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20* = 6	X 9	= 54.00
			-3** = 2	X 43	= 86.00

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 66	2201 43	Independent claims in excess of 3
1203 280	2203 146	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		(\$ 140.00)

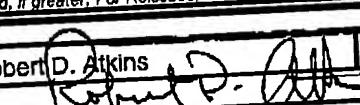
\*or number previously paid, if greater; For Reissues, see above

#### 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 85	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 185	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid		<b>SUBTOTAL (3)</b>	(\$ 0.00)

(Complete if applicable)

SUBMITTED BY	Registration No. (Attorney/Agent)	Telephone
Name (Print/Type)	Robert D. Atkins	(602) 229-5311
Signature		Date April 22, 2004

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PAGE 3/24 \* RCV'D AT 4/22/2004 4:17:12 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/5 \* DNI:8729306 \* CSID:602 229 5690 \* DURATION (mm:ss):06:26